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		Application Number	10/781014-Conf. 2283
		Filing Date	February 17, 2004
		First Named Inventor	Markus POMPEJUS
		Art Unit	1652
		Examiner Name	Christian L. Fronda
Total Number of Pages in This Submission		Attorney Docket Number	BGI-126CPCN

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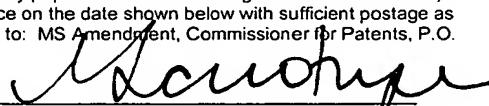
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(Maria Laccotripe Zacharakis, Ph.D., J.D.)

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Docket No.: BGI-126CPCN
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of:
Markus Pompejus *et al.*

Application No.: 10/781014

Confirmation No.: 2283

Filed: February 17, 2004

Art Unit: 1652

For: *CORYNEBACTERIUM GLUTAMICUM*
GENES ENCODING PROTEINS INVOLVED
IN CARBON METABOLISM AND ENERGY
PRODUCTION

Examiner: Christian L. Fronda

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (SIDS)

Dear Sir:

In accordance with 37 CFR 1.97, Applicants hereby make of record the following additional documents. A PTO Form SB/08 and a full copy of each of the documents required under 37 CFR 1.98(a)(2) accompany this statement.

This Supplemental Information Disclosure Statement is filed more than three months after the U.S. filing date, after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

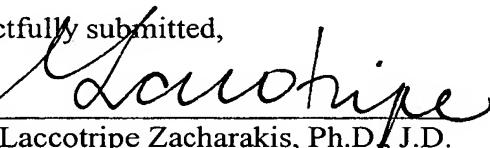
It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Deposit Account No. 12-0080 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. BGI-126CPCN.

Dated: October 2, 2006

MLZ/MG/JGS/mch

Respectfully submitted,

By 
Maria Laccotripe Zacharakis, Ph.D., J.D.
Registration No.: 56,266
LAHIVE & COCKFIELD, LLP
28 State Street
Boston, Massachusetts 02109
(617) 227-7400
(617) 742-4214 (Fax)
Attorney/Agent For Applicant



Substitute for form 1449A/B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/781014-Conf. #2283
Sheet	1	of	19	Filing Date	February 17, 2004
				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
				Attorney Docket Number	BGI-126CPCN

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY		
	B1	EP-0204326-A2	12-10-1986	Kyowa Hakko Kogyo Co., Ltd.	
	B2	JP-62232392	10-12-1987	Kyowa Hakko Kogyo Co., Ltd.	Abstr.
	B3	JP-62244382	10-24-1987	Ajinomoto Co., Inc.	Abstr.
	B4	EP-0358940-A1	03-21-1990	Degussa Aktiengesellschaft	
	B5	JP-04278088	10-02-1992	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B6	JP-04330284	11-18-1992	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B7	JP-05030977	02-09-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B8	JP-05056782	03-09-1993	Kyowa Hakko Kogyo Co. Ltd.	Abstr.
	B9	JP-05076352	03-30-1993	Ajinomoto Co., Inc.	Abstr.
	B10	JP-05184366	07-27-1993	Mitsubishi Petrochem Co. Ltd.	Abstr.
	B11	JP-05184371	07-27-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B12	JP-05284970	11-02-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B13	JP-05284972	11-02-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B14	JP-05344881	12-27-1993	Ajinomoto Co., Inc.	Abstr.
	B15	JP-05344893	12-27-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B16	JP-06062866	03-08-1994	Ajinomoto Co., Inc.	Abstr.
	B17	JP-06169780	06-21-1994	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B18	JP-06261766	09-20-1994	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B19	JP-06277067	10-04-1994	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B20	JP-06277073	10-04-1994	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B21	JP-07031476	02-03-1995	Mitsubishi Chem	Abstr.
	B22	JP-07031478	02-03-1995	Mitsubishi Chem	Abstr.
	B23	JP-09028391	02-04-1997	Mitsubishi Chem	Abstr.
	B24	JP-09070291	03-18-1997	Ajinomoto Co., Inc.	Abstr.
	B25	JP-07075578	03-20-1995	Mitsubishi Chem	Abstr.
	B26	JP-07075579	03-20-1995	Mitsubishi Chem	Abstr.
	B27	WO-9519442-A1	07-20-1995	Forschungszentrum Jülich GMGH Möckel	Abstr.
	B28	JP-09224661	09-02-1997	Mitsubishi Chem	Abstr.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/781014-Conf. #2283
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				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	2	of	19	Attorney Docket Number	BGI-126CPCN

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
	C1	Ankri, Serge, et al., "Mutations in the <i>Corynebacterium glutamicum</i> Proline Biosynthetic Pathway: a Natural Bypass of the <i>proA</i> Step," <i>Journal of Bacteriology</i> , Vol. 178(15):4412-4419 (1996)				
	C2	Billman-Jacobe, H., "Nucleotide sequence of a <i>recA</i> gene from <i>Corynebacterium glutamicum</i> ," <i>The Journal of Sequencing and Mapping</i> , Vol. 4:403-404 (1994)				
	C3	Bonamy, Celine, et al., "Identification of IS1206, a <i>Corynebacterium glutamicum</i> IS3-related insertion sequence and phylogenetic analysis," <i>Molecular Microbiology</i> , Vol. 14(3):571-581 (1994)				
	C4	Bonnassie, S., et al., "Nucleotide sequence of the <i>dapA</i> gene from <i>Corynebacterium glutamicum</i> ," <i>Nucleic Acids Research</i> , Vol. 18(21):6421 (1990)				
	C5	Börmann, E.R., et al., "Molecular analysis of the <i>Corynebacterium glutamicum</i> <i>gdh</i> gene encoding glutamate dehydrogenase," <i>Molecular Microbiology</i> , Vol. 6(3):317-326 (1992)				
	C6	Chen, Chian-Chi, et al., "The cloning and nucleotide sequence of a <i>Corynebacterium glutamicum</i> 3-deoxy-D-arabinoheptulonate-7-phosphate synthase gene," <i>FEMS Microbiology Letters</i> , Vol. 107:223-230 (1993)				
	C7	Cianciotto, Nicholas, et al., "DNA sequence homology between <i>attB</i> -related sites of <i>Corynebacterium diphtheriae</i> , <i>Corynebacterium ulcerans</i> , <i>Corynebacterium glutamicum</i> , and the <i>attP</i> site of γ -Corynephage," <i>FEMS Microbiology Letters</i> , Vol. 66:299-302 (1990)				
	C8	Correia, Antonio, et al., "Cloning and characterization of an IS-like element present in the genome of <i>Brevibacterium lactofermentum</i> ATCC 13869," <i>Gene</i> , Vol. 170:91-94 (1996)				
	C9	Dusch, Nicole, et al., "Expression of the <i>Corynebacterium glutamicum</i> <i>panD</i> Gene Encoding L-Aspartate- α -Decarboxylase Leads to Pantothenate Overproduction in <i>Escherichia coli</i> ," <i>Applied and Environmental Microbiology</i> , Vol. 65(4):1530-1539 (1999)				
	C10	Eikmanns, Bernhard J., et al., "Nucleotide sequence, expression and transcriptional analysis of the <i>Corynebacterium glutamicum</i> <i>gltA</i> gene encoding citrate synthase," <i>Microbiology</i> , Vol. 140:1817-1828 (1994)				
	C11	Eikmanns, Bernhard J., "Identification, Sequence Analysis, and Expression of a <i>Corynebacterium glutamicum</i> Gene Cluster Encoding the Three Glycolytic Enzymes Glyceraldehyde-3-Phosphate Dehydrogenase, 3-Phosphoglycerate Kinase, and Triosephosphate Isomerase," <i>Journal of Bacteriology</i> , Vol. 174(19):6076-6086 (1992)				
	C12	Eikmanns, Bernhard J., et al., "Cloning, Sequence Analysis, Expression, and Inactivation of the <i>Corynebacterium glutamicum</i> <i>icd</i> Gene Encoding Isocitrate Dehydrogenase and Biochemical Characterization of the Enzyme," <i>Journal of Bacteriology</i> , Vol. 177(3):774-782 (1995)				
	C13	GenBank Accession No. Z83866 for Deciphering the biology of <i>Mycobacterium tuberculosis</i> from the complete genome sequence, Cole, S.T. et al, 09/02/02				
	C14	Fitzpatrick, R., et al., "Construction and characterization of <i>recA</i> mutant strains of <i>Corynebacterium glutamicum</i> and <i>Brevibacterium lactofermentum</i> ," <i>Appl. Microbiol. Biotechnol.</i> , Vol. 42:575-580 (1994)				
	C15	Follettie, Max T., et al., "Molecular Cloning and Nucleotide Sequence of the <i>Corynebacterium glutamicum</i> <i>pheA</i> Gene," <i>Journal of Bacteriology</i> , Vol. 167(2):695-702 (1986)				
	C16	Fouet, Agnes, et al., "Bacillus subtilis sucrose-specific enzyme II of the phosphotransferase system: Expression in <i>Escherichia coli</i> and homology to enzymes II from enteric bacteria," <i>Proc. Natl. Acad. Sci.</i> , Vol. 84:8773-8777 (1987)				
	C17	Han, K.-S., et al., "The molecular structure of the <i>Corynebacterium glutamicum</i> threonine synthase gene," <i>Molecular Microbiology</i> , Vol. 4(10):1693-1702 (1990)				

Examiner Signature	Date Considered
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				Examiner Name	Christian L. Fronda
Sheet	3	of	19	Attorney Docket Number	BGI-126CPCN

	C18	Heery, D.M., et al., "Nucleotide sequence of the <i>Corynebacterium glutamicum trpE</i> gene," <i>Nucleic Acids Research</i> , Vol. 18(23):7138 (1990)	
	C19	Heery, D.M., et al., "Cloning of the trp Gene Cluster from a Tryptophan-Hyperproducing Strain of <i>Corynebacterium glutamicum</i> : Identification of a Mutation in the trp Leader Sequence," <i>Applied and Environmental Microbiology</i> , Vol. 59(3):791-799 (1993)	
	C20	Heery, David M., et al., "A Sequence from a Tryptophan-Hyperproducing Strain of <i>Corynebacterium glutamicum</i> Encoding Resistance to 5-Methyltryptophan," <i>Biochemical and Biophysical Research Communications</i> , Vol. 201(3):1255-1262 (1994)	
	C21	Honrubia, M.P., et al., "Identification, characterization, and chromosomal organization of the <i>ftsZ</i> gene from <i>Brevibacterium lactofermentum</i> ," <i>Mol. Gen. Genet.</i> , Vol. 259:97-104 (1998)	
	C22	Ishino, Shuichi, et al., "Nucleotide sequence of the meso-diaminopimelate D-dehydrogenase gene from <i>Corynebacterium glutamicum</i> ," <i>Nucleic Acids Research</i> , Vol. 15(9):3917 (1987)	
	C23	Jäger, Wolfgang, et al., "A <i>Corynebacterium glutamicum</i> Gene Conferring Multidrug Resistance in the Heterologous Host <i>Escherichia coli</i> ," <i>Journal of Bacteriology</i> , Vol. 179(7):2449-2451 (1997)	
	C24	Jäger, Wolfgang, et al., "A <i>Corynebacterium glutamicum</i> gene encoding a two-domain protein similar to biotin carboxylases and biotin-carboxyl-carrier proteins," <i>Arch. Microbiol.</i> , Vol. 166:76-82 (1996)	
	C25	Jakoby, Marc, et al., "Isolation of the <i>Corynebacterium glutamicum glnA</i> gene encoding glutamine synthetase I," <i>FEMS Microbiology Letters</i> , Vol. 154:81-88 (1997)	
	C26	Jakoby, Marc, et al., "Nitrogen regulation in <i>Corynebacterium glutamicum</i> : isolation of genes involved and biochemical characterization of corresponding proteins," <i>FEMS Microbiology Letters</i> , Vol. 173:303-310 (1999)	
	C27	Jetten, Mike S., et al., "Structural and Functional Analysis of Pyruvate Kinase from <i>Corynebacterium glutamicum</i> ," <i>Applied and Environmental Microbiology</i> , Vol. 60(7):2501-2507 (1994)	
	C28	Joliff, G., et al., "Cloning and nucleotide sequence of the <i>csp1</i> gene encoding PS1, one of the two major secreted proteins of <i>Corynebacterium glutamicum</i> : the deduced N-terminal region of PS1 is similar to the <i>Mycobacterium</i> antigen 85 complex," <i>Molecular Microbiology</i> , Vol. 6(16):2349-2362 (1992)	
	C29	Kalinowski, J., et al., "Genetic and biochemical analysis of the aspartokinase from <i>Corynebacterium glutamicum</i> ," <i>Molecular Microbiology</i> , Vol. 5(5):1197-1204 (1991)	
	C30	Kalinowski, Jörn, et al., "Aspartokinase gene <i>lysCα</i> and <i>lysCβ</i> overlap and are adjacent to the aspartate β -semialdehyde dehydrogenase gene <i>asd</i> in <i>Corynebacterium glutamicum</i> ," <i>Mol. Gen. Genet.</i> , Vol. 224:317-324 (1990)	
	C31	Keilhauer, Carmen, et al., "Isoleucine Synthesis in <i>Corynebacterium glutamicum</i> : Molecular Analysis of the <i>ilvB</i> - <i>ilvN</i> - <i>ilvC</i> Operon," <i>Journal of Bacteriology</i> , Vol. 175(17):5595-5603 (1993)	
	C32	Kimura, Eiichiro, et al., "Molecular Cloning of a Novel Gene, <i>dtsR</i> , Which Rescues the Detergent Sensitivity of a Mutant Derived from <i>Brevibacterium lactofermentum</i> ," <i>Biosci. Biotech. Biochem.</i> , Vol. 60(10):1565-1570 (1996)	
	C33	Kobayashi, Miki, et al., "Cloning, Sequencing, and Characterization of the <i>ftsZ</i> Gene from Coryneform Bacteria," <i>Biochemical and Biophysical Research Communications</i> , Vol. 236:383-388 (1997)	
	C34	Kronemeyer, Wolfgang, et al., "Structure of the <i>gluABCD</i> Cluster Encoding the Glutamate Uptake System of <i>Corynebacterium glutamicum</i> ," <i>Journal of Bacteriology</i> , Vol. 177(5):1152-1158 (1995)	
	C35	Lee, Heung-Shick, et al., "Molecular Characterization of <i>AceB</i> , a Gene Encoding Malate Synthase in <i>Corynebacterium glutamicum</i> ," <i>Journal of Microbiology and Biotechnology</i> , Vol. 4(4):256-263 (1994)	

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				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	4	of	19	Attorney Docket Number	BGI-126CPCN

	C36	Lee, Jung-Kee et al, "Nucleotide sequence of the gene encoding the <i>Corynebacterium glutamicum</i> mannose enzyme II and analyses of the deduced protein sequence," <i>FEMS Microbiology Letters</i> , Vol. 119:137-146 (1994)	
	C37	Le Marrec, Claire, et al., "Genetic Characterization of Site-Specific Integration Functions of ϕ AAU2 Infecting 'Arthrobacter aureus' C70," <i>Journal of Bacteriology</i> , Vol. 178(7):1996-2004 (1996)	
	C38	Lepiniec, Loïc, et al., "Sorghum phosphoenolpyruvate carboxylase gene family: structure, function and molecular evolution," <i>Plant Molecular Biology</i> , Vol. 21:487-502 (1993)	
	C39	Lichtinger, Thomas, et al., "Biochemical and Biophysical Characterization of the Cell Wall Porin of <i>Corynebacterium glutamicum</i> : The Channel Is Formed by a Low Molecular Mass Polypeptide," <i>Biochemistry</i> , Vol. 37:15024-15032 (1998)	
	C40	Ludwig, W., et al., "Phylogenetic relationships of <i>Bacteria</i> based on comparative sequence analysis of elongation factor Tu and ATP-synthase β -subunit genes," <i>Antonie van Leeuwenhoek</i> , Vol. 64:285-305 (1993)	
	C41	Malubres, Marcos, et al., "Analysis said Expression of the <i>thrC</i> Gene of <i>Brevibacterium lactofermentum</i> and Characterization of the Encoded Threonine Synthase," <i>Applied and Environmental Microbiology</i> , Vol. 60(7):2209-2219 (1994)	
	C42	Marcel, T., et al., "Nucleotide sequence and organization of the upstream region of the <i>Corynebacterium glutamicum lysA</i> gene," <i>Molecular Microbiology</i> , Vol. 4(11):1819-1830 (1990)	
	C43	Mateos, Luis M., et al., "Nucleotide sequence of the homoserine kinase (<i>thr B</i>) gene of <i>Brevibacterium lactofermentum</i> ," <i>Nucleic Acids Research</i> , Vol. 15(9):3922 (1987)	
	C44	Mateos, Luis M., et al., "Nucleotide sequence of the homoserine dehydrogenase (<i>thr A</i>) gene of <i>Brevibacterium lactofermentum</i> ," <i>Nucleic Acids Research</i> , Vol. 15(24):10598 (1987)	
	C45	Matsui, Kazuhiko, et al., "Complete nucleotide and deduced amino acid sequences of the <i>Brevibacterium lactofermentum</i> tryptophan operon," <i>Nucleic Acids Research</i> , Vol. 14(24):10113-10114 (1986)	
	C46	Möckel, Bettina, et al., "Functional and Structural Analyses of Threonine Dehydratase from <i>Corynebacterium glutamicum</i> ," <i>Journal of Bacteriology</i> , Vol. 174(24):8065-8072 (1992)	
	C47	Molenaar, Douwe, et al., "Biochemical and genetic characterization of the membrane-associated malate dehydrogenase (acceptor) from <i>Corynebacterium glutamicum</i> ," <i>Eur. J. Biochem.</i> , Vol. 254:395-403 (1998)	
	C48	Moreau, Sylvia, et al., "Site-specific integration of corynephage ϕ 16: construction of an integration vector," <i>Microbiology</i> , Vol. 145:539-548 (1999)	
	C49	Moreau, Sylvie, et al., "Analysis of the Integration Functions of ϕ 304L: An Integrase Module among Corynephages," <i>Virology</i> , Vol. 255:150-159 (1999)	
	C50	O'Gara, James P., et al., "Mutations in the <i>trpD</i> Gene of <i>Corynebacterium glutamicum</i> Confer 5-Methyltryptophan Resistance by Encoding a Feedback-Resistant Anthranilate Phosphoribosyltransferase," <i>Applied and Environmental Microbiology</i> , Vol. 61(12):4477-4479 (1995)	
	C51	Oguiza, José A., et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of the <i>lysA</i> Gene in <i>Brevibacterium lactofermentum</i> : Regulation of <i>argS-lysA</i> Cluster Expression by Arginine," <i>Journal of Bacteriology</i> , Vol. 175(22):7356-7362 (1993)	
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				Filing Date	February 17, 2004
				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	5	of	19	Attorney Docket Number	BGI-126CPCN

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				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	6	of	19	Attorney Docket Number	BGI-126CPCN

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				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	7	of	19	Attorney Docket Number	BGI-126CPCN

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Examiner Signature	Date Considered
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				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	8	of	19	Attorney Docket Number	BGI-126CPCN

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				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	9	of	19	Attorney Docket Number	BGI-126CPCN

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Examiner Signature		Date Considered	
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				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	10	of	19	Attorney Docket Number	BGI-126CPCN

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Examiner Signature	Date Considered
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Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/781014-Conf. #2283
<i>(Use as many sheets as necessary)</i>				Filing Date	February 17, 2004
				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	11	of	19	Attorney Docket Number	BGI-126CPCN

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Examiner Signature	Date Considered
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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/781014-Conf. #2283
				Filing Date	February 17, 2004
				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	12	of	19	Attorney Docket Number	BGI-126CPCN

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Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO				<i>Complete if Known</i>	
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<i>(Use as many sheets as necessary)</i>				Filing Date	February 17, 2004
				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	13	of	19	Attorney Docket Number	BGI-126CPCN

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<i>(Use as many sheets as necessary)</i>				Filing Date	February 17, 2004
				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	14	of	19	Attorney Docket Number	BGI-126CPCN

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Examiner Signature	Date Considered
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				Filing Date	February 17, 2004
				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	15	of	19	Attorney Docket Number	BGI-126CPCN

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				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	16	of	19	Attorney Docket Number	BGI-126CPCN

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Examiner Signature	Date Considered
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Sheet	17	of	19	Filing Date	February 17, 2004
				First Named Inventor	Markus POMPEJUS
				Art Unit	1652
				Examiner Name	Christian L. Fronda
				Attorney Docket Number	BGI-126CPCN

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Examiner Signature		Date Considered	
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				Art Unit	1652
				Examiner Name	Christian L. Fronda
Sheet	18	of	19	Attorney Docket Number	BGI-126CPCN

C329	GenBank Accession No. Y00546 for Nucleotide sequence and fine structural analysis of the <i>Corynebacterium glutamicum</i> hom-thrB operon, Peoples, O.P. et al, 09/12/93
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				Examiner Name	Christian L. Fronda
Sheet	19	of	19	Attorney Docket Number	BGI-126CPCN

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